

What is Claimed is:

1. A valve device comprising:
 - a valve seat plate having an inlet opening and an outlet opening through which a fluid flows in the thickness direction;
 - a sealing case which covers a front surface of said valve seat plate;
 - an inlet pipe and an outlet pipe which are fixed on a back surface of said valve seat plate to communicate respectively with said inlet opening and said outlet opening; and
 - a valve element which rotates on the area of said outlet opening on said front surface of said valve seat plate to open and close said outlet opening;
wherein said valve seat plate has a first plate member, which forms the area of said outlet opening, and a second plate member, to which said first plate member is joined.
2. The valve device as set forth in Claim 1, wherein said second plate member is a press product and said first plate member is a lathe product which has a thickness greater than that of said second plate member.
3. The valve device as set forth in Claim 1, wherein said first plate member is large enough to form the entire area on which said valve element rotates to open and close said outlet opening.
4. The valve device as set forth in Claim 1, wherein said second plate member has a through hole which is used for attaching said first plate member; said first plate member has a small diameter portion which is inserted into said through hole, an annular step portion which comes into contact with an opening edge of said through hole when said small diameter portion is inserted into said through hole, and a large diameter portion which is to be outside said through hole.
5. The valve device as set forth in Claim 4, wherein said first plate member has said large diameter portion on said back surface side of said valve seat plate, and said first plate member and said second plate member are joined together by brazing from said back surface side.
6. The valve device as set forth in one of Claims 1, wherein the thickness of said first plate member is 2.1mm or more.

7. The valve device as set forth in one of Claims 1, wherein the thickness of said first plate member is 2.4mm or more.

8. A valve device comprising:

a valve seat plate having an inlet opening, an outlet opening, a first side and a second side opposite to the first side;

a sealing case that covers the first side;

an inlet pipe and an outlet pipe which are attached to the second side to communicate respectively with the inlet and outlet openings; and

a valve element operable to cover the outlet opening on the first side to close the outlet opening;

the valve seat plate including a first plate, which forms the area around the outlet opening, and a second plate attached to the first plate and forming other areas.

9. The valve device as set forth in Claim 8, wherein the second plate is a press product and the first plate is a lathe product that has a thickness greater than that of the second plate.

10. The valve device as set forth in Claim 8, wherein the surface precision of the first plate is higher than that of the second plate.

11. The valve device as set forth in Claim 8, wherein the valve element rotates on the area of the outlet opening and the first plate is sufficiently large to form the entire surface area on which the valve element rotates to open and close the outlet opening.

12. The valve device as set forth in Claim 8, wherein the first and second plates are joined together by brazing from the second side.

13. The valve device as set forth in Claim 1, wherein the thickness of the first plate is 2.1 mm or more.

14. The valve device as set forth in Claim 1, wherein the thickness of the first plate is 2.4 mm or more.